

Asphalt and Concrete Mix Design Lab

- ✓ Dynamic Shear Rheometer (DSR) Test
- ✓ Rolling Thin Film Oven (RTFO) Test
- ✓ Pressure Aging Vessel (PAV) Test
- ✓ Dynamic Shear Rheometer (DSR) Test in RTFO Aged Condition
- ✓ Dynamic Shear Rheometer (DSR) Test in PAV Aged Condition
- ✓ Rotational Viscometer (RV) Test
- ✓ Bending Beam Rheometer (BBR) Test
- ✓ Centrifugal Extractor Test
- ✓ Gyrotory Compactor Test for Compaction of Asphalt Mix
- ✓ Resilient Modulus Test using Universal Testing Machine (UTM)
- ✓ Dynamic Modulus test using Universal Testing Machine (UTM)
- ✓ Bitumen Extraction
- ✓ Rotavapor Extraction
- ✓ Stripping
- Etc.



Transportation Computer Aided Design Lab

- ✓ Hardware facilities
- ✓ Softwares relevant to various Transportation Engineering areas



NOTICEABLE EMPLOYERS, PARTNERS AND COLLABORATORS

HEE PAV

DA TEPA

NHA

Transport Planning Unit Department Punjab

PUNJAB MASS TRANSIT AUTHORITY

The Urban Unit
Urban Sector Planning & Management Services Unit (Pvt.) Ltd.

PSCA
PUNJAB SAFE CITIES AUTHORITY

FWO
Frontier Work Organization

IDAP

OSMANI
Engineering - Architecture - Planning - Mapping - Technology
Consultancy services since 1960

LePARK
LAHORE PARKING COMPANY

AAA Engineering Consultants Pvt. Ltd.

NATIONAL HIGHWAYS AND MOTORWAY POLICE

JICA

PUNJAB TRANSPORT COMPANY

albayrak

DEPARTMENT OF TRANSPORTATION ENGINEERING AND MANAGEMENT



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INTRODUCTION

Department of Transportation Engineering & Management introduces the transportation professionals capable of planning, designing, constructing, operating, and maintaining of various modes of transportations such as highways, railways, airways, waterways and pipeways.

VISION – To improve the transportation infrastructures for safe, rapid, efficient, and environmentally friendly movement of people and goods.

MISSION – To produce high quality graduates in the field of Transportation Engineering, carry out research at national and international level, inculcating professionalism in our graduates, provide advisory services at national level.

DEGREE PROGRAMS

- B.Sc. Transportation Engineering
- M.Sc. Transportation Engineering
- M.Sc. Transportation Informatics
- Ph.D. Transportation Engineering



DEAN

Prof. Dr. Habib Ur Rehman



CHAIRMAN

Prof. Dr. Ammad Hassan Khan

LABORATORIES

- Geo Materials Testing Lab
- Asphalt and Concrete Mix Design Lab
- Traffic Engineering Lab
- Transportation Computer Aided Design Lab

INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) STUDENT CHAPTER



DTEM has gained a prestigious honor of establishing first Student Chapter of ITE in Pakistan and making UET, Lahore the 9th University outside USA which has initiated ITE Student Chapter.

A Brief Overview about ITE

Founded in 1930 in USA, ITE is an international educational and scientific association of transportation professionals working towards transportation mobility and safety needs

Through meetings, seminars, publications and a network of nearly 17,000 members, working in more than 90 countries, ITE is a source for expertise, knowledge and ideas.

For more info: www.ite.org



CONSULTANCY SERVICES

The Department is actively engaged in various industry related projects as well as commercial testing aiming to develop even stronger academia-industry liaison.

Geo Materials Testing Lab

- ✓ Gradation Analysis
- ✓ Unconfined Compression Test
- ✓ Direct Shear Test
- ✓ Consolidation Test
- ✓ Compaction Tests
- ✓ Atterberg's Limits
- ✓ One Point and Three Point CBR Test
- ✓ Field Density Test
- ✓ Sulphate Content, Chloride Content, pH-value, Organic Matter Content
- ✓ Los Angeles Abrasion Test
- ✓ Geotechnical Investigation of Soil Stratum
- ✓ Pavement Condition Survey
- ✓ Pavement Evaluation and Rehabilitation Etc.



Traffic Engineering Lab

- ✓ Hot Applied Thermoplastic Road Marking Materials (White & Yellow)
- ✓ Determination of % of Binder Content and Aggregates in Paints
- ✓ Determination of Softening Point of Paint Binder
- ✓ Measurement of Flow Resistance of Thermoplastic Paints
- ✓ Traffic Control Devices
- ✓ Miscellaneous Traffic Studies
- ✓ Use of Simulation Softwares

